



Weekly Construction Report

Hatchery Creek Design/Build Project



Time Period:	August 10 - 15, 2015	Project No:	1305
Rain Days/Weather Conditions:	Rained ~0.75" on Monday (Rowena gauge) and were not able to work Monday and Tuesday because the site was too wet. We worked Wednesday through Saturday. Rained ~0.1" on Friday but did not prevent work.		
Personnel on-site:	<i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Brad Redmon, Sherri Arthur Trucking-John Arthur.		
Equipment on-site:	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 450 excavator, Komatsu PC 220 long arm excavator (mobilized Tuesday), Terex TA27 articulated off-road dump truck (mobilized Thursday).		
Material deliveries to project site:	<ul style="list-style-type: none"> ▪ Two 15' wide rolls of non-woven geotextile. ▪ ~25 tons of spawning gravel. 		
Work performed the past week:	<ul style="list-style-type: none"> • Site #3/Step Pool Reach ~Sta. 156+25 to 158+50: <ul style="list-style-type: none"> ○ Excavated soil that had washed into channel down to design excavation grade. It required up to nine feet of excavation. ○ Built floodplain berm at head of step pools with excavated soil. ○ Installed non-woven geotextile fabric and ~12" layer of shot rock. ○ Started installing 24" diameter rock layer over shot rock layer. • Site #2/ Sta. 141+00 to 147+00: <ul style="list-style-type: none"> ○ Pumped water out of channel. ○ Relocated brush pile on Right Descending Bank. ○ Started building riffle at 146+50. 		
Erosion & sediment controls installed/maintained:	❖ Turbidity current installed at Site #3.		
Work scheduled for next week:	<ul style="list-style-type: none"> ✦ Excavate washed in soil on Site #3 and install geotextile and rock from ~Sta. 158+50 to 160+50. ✦ Continue building channel from 142+00 to 147+00. 		
Work planned for two weeks ahead:	<ul style="list-style-type: none"> ✦ Finish excavating soil from Site #3. ✦ Start installing step pools at river and work upstream. ✦ Build channel from 142+00 to 147+00. 		
General Comments:	➤ The Wolf Creek Dam had been releasing high flows up until this week, which prevented work in the channel on Site #3. The USACE Nashville District was able to provide no flow from 6:00 a.m. to 2:00 p.m. most of this week which enabled Site #3 to be dry enough to work. They plan to have a similar no flow release for next Monday through Friday.		
Prepared by: Eric Dawalt, P.E.	Date: 8-15-2015		



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Pictures from this week's construction:



Installing logs along top of bank at Site #3/Step Pool reach in order for the long arm excavator to have a stable platform from which to excavate washed in soil. (Picture taken at ~ Sta. 158+00 looking at left descending bank).



Excavating ~ 9 foot depth of washed in soil with long arm excavator on Site #3 at ~Sta. 158+00. (Picture taken looking downstream towards Cumberland River).



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Installing geotextile fabric at ~Sta. 158+00. (Picture taken looking upstream).



Installing ~12" layer of shot rock/class II channel lining over geotextile. (Picture taken from ~Sta. 158+50 looking upstream).



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Four-foot layer of 24" diameter boulder installed over shot rock and geotextile. (Picture taken from ~Sta. 159+50 looking upstream).